

Lumi United Technology Co., Ltd.

RF TEST REPORT

SCOPE OF WORK:

RF report

Model:

HM1S-G01

REPORT NUMBER

200702409SHA-002+A1

ISSUE DATE

July 20, 2021

DOCUMENT CONTROL NUMBER

TTRF300328-03_V2

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Manufacturer : Same as applicant

Factory : GUANGDONG NEW ENERGY TECHNOLOGY CO., LTD.
Floor1-4, Building 2, No.197 plant, East Side of Xinhua Road,
Tongqiao Town, Zhongkai High-tech Zone, Huizhou, Guangdong,
516032, China

Summary

The equipment complies with the requirements according to the following standard(s) or Specification:

EN 300 328 V2.2.2: Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz band; Harmonised Standard for access to radio spectrum

PREPARED BY:

REVIEWED BY:



Project Engineer
Eric Li

Reviewer
Wakeyou Wang

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Revision History

Report No.	Version	Description	Issued Date
200702409SHA-002+A1	Rev. 01	<p>This report is based on the original report 200702409SHA-002 for amendment on 2021-07-20 to include the following changes:</p> <ol style="list-style-type: none">1. Added one alternative source for plastic enclosure and plug holder2. Added one alternative source for Transformer,3. Added one alternative source for CM choke,4. Added one alternative source for Y1 capacitor,5. Changed design of ventilation openings,6. Remove the HomeKit chip <p>These changes have no effect on the RF function, only the EMC tests were conducted.</p>	July 20, 2021

Measurement result summary

TEST ITEM	TEST RESULT	NOTE
RF Output Power	Pass*	
Power Spectral Density	Pass*	
Duty Cycle, Tx-sequence, Tx-gap	NA	Only for non-adaptive equipment or mode
Medium Utilization (MU) factor	NA	Only for non-adaptive equipment or mode
Occupied Channel Bandwidth	Pass*	
Transmitter unwanted emissions in the out-of-band domain	Pass*	
Transmitter unwanted emissions in the spurious domain	Pass*	
Adaptivity (non-FHSS)	Pass*	
Receiver Blocking	Pass*	
Receiver spurious emission	Pass*	
Geo-location capability	NA	

Notes: 1: NA =Not Applicable

2: "*" means this test is no need and not performed within this report, and the result can refer to the related base report(s).

3: Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

4: Additions, Deviations and Exclusions from Standards: None.

Appendix I: Photograph of equipment under test

Refer to Report No. 200702409SHA-001+A1 for EUT external and internal photos.

***** END *****